Meatr 113 2020 - Sep-16 Topie: Boxplot Example of bouplet. n=81 want. min, 1st quartile, meden, 3rdquentil, max 1 Sort date @ min = 9 Mex = 103 3 medeen Mis deta pout autr 17 11 = 81+1 = 41 want #41 M= #41 = 70 The 1st quartile q, is the median of everythy below the median. frid medin. 40 +1 = 20.5 9, = (#20.5)= average of #20, #21 =(52+54)/2=(53)

3) Dind 93 the third quartile, while is median of everyth. above
the original median #42 turn #81

#41 renumber
remarker | turn #40" 40+1 = 20.5 93 = (\$20.5) average of \$20, \$21" = (92+93)/2=(92.5) +41 We renumbered #42 fax our veul 20.5+41

we just drived this me

(n example above:

$$\frac{40+1}{2} = 20.5$$

$$9_1 = \frac{420.5}{2} = (52+54)/2 = (53)$$

$$\frac{440}{2} = 41$$

$$1 = \frac{441}{2} = \frac{10}{442} = \frac{442}{461.5} =$$

Box Plat

5 10 20 30 40 =0 60 70 =0 90 100 110

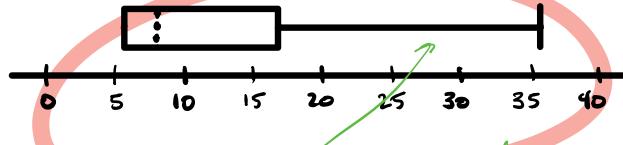
(Me Figue 2.11 as page 97)

NOTE The text does not explai havto find 9, , 93

Murbe of data puis n=59.

-> order/orgaige the data set

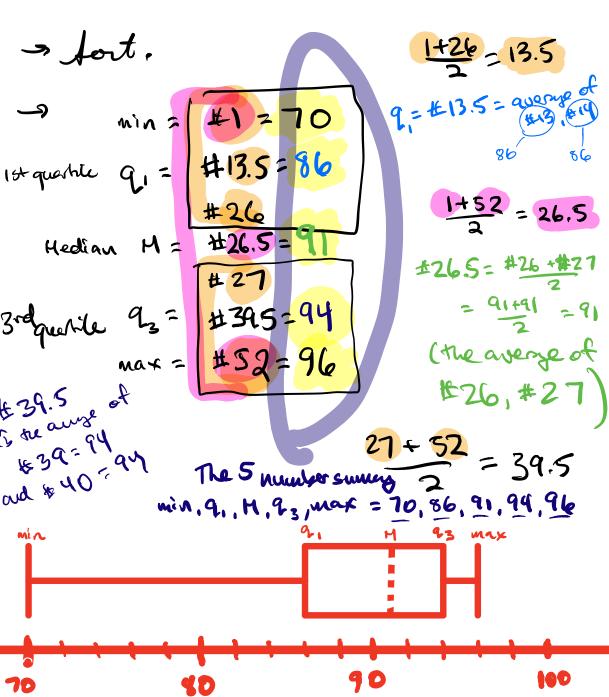
min =
$$\frac{1}{4}$$
 = $\frac{1}{4}$ =



(asually there are 2)

this data is should right Cithat means we have outliers on the) ie, a sew suprissing large values right)

§ Skew	
Data that makes	a histogran Kail
long fail on the ngit	
will tend to make a with a larg wh	by plot
long whistey or right	larg whole on left.
we call these right showed (showed right)	left skemd (skewdleft)



This is left skewed (The data) (The lexiplot)